

ABSTRACT OF THE DISCLOSURE

A high-performance water heater is constructed to include a heat absorber, the heat absorber defining an oil chamber that holds an oil, a heat guide defining a water chamber, the heat guide having
5 a cold water pipe adapted to guide cold water into the water chamber and a hot water pipe adapted to guide hot water out of the water chamber, a plurality of heat conducting members connected between the heat absorber and the heat guide and adapted to transfer heat energy from the oil in the oil chamber to water in the
10 water chamber of the heat guide, and a heating device adapted to heat the heat absorber.